19. Show how to Create, Access, Update and Delete elements in a Tuple.

20. Explain the following:

(a) Opening and Closing Files

(b) Reading and Writing Files

NOVEMBER/DECEMBER 2025

23UCA11/23UDA11 — PYTHON PROGRAMMING

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define the term Constant.

2. Give an example for Input and Output Statements.

3. Write the syntax and logical flow of if-elif-else Statement.

4. Differentiate between Iteration and Recursion.

5. State the purpose of using dir( )Function.

6. How do you define Function in Python?

7. Define list

8. How to delete items from a Dictionary?

9. State the purpose of Opening a file using with Keyword.

10. What is the use of tell() method in Python?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Narrate about the history of Python.

Or

(b) Exemplify the Arithmetic and Relational Operators available in Python.

12. (a) Describe about the usage of Break, Continue and Pass Statements.

Or

(b) Write a python program to Test whether a given number is Even or Odd.

13. (a) Explain any five String Operations with examples.

Or

(b) How to define our Own Modules in Python? Explain it.

14. (a) Differentiate between List and Dictionary.

Or

(b) Explicate the basic List Operations with examples.

15. (a) Narrate the types of Files in Python.

Or

(b) How to rename and delete a File in Python? Explain it.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Write a python program to illustrate the concept of Arrays.

17. Exemplify the looping Statements available in Python.

18. Discuss about Default Arguments and Variable Length Arguments.